

# Mineral Industry Surveys

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## MANGANESE IN FEBRUARY 2002

In February, reported consumption of manganese ore containing 35% or more manganese, exclusive of that consumed at iron and steel plants, was estimated as 20,700 metric tons (t), which was a 36% decrease from that for the previous month, according to the U.S. Geological Survey. The figure for February increases to 23,100 t when estimates for

annual respondents are added on the basis of 2000 data. Corresponding industry stocks of ore at the end of the month were 143,000 t, which includes an estimate for annual respondents on the basis of 2000 data. This was the same as that estimated for the corresponding figure for stocks at the end of January.

TABLE 1  
SELECTED U.S. FOREIGN TRADE IN MANGANESE 1/

(Metric tons, manganese content) 2/

	Imports for consumption			Exports		
	Ore and dioxide	Ferroalloy and metal	Total	Ore	Ferroalloy and metal	Total
2001:						
January	23,400 3/	35,100	58,400	185	1,830	2,020
2002:						
January	23,900	42,200	66,100	775	1,050	1,830

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ As reported except as estimated for imports of manganese dioxide and manganese waste and scrap and for exports from gross weights.

3/ All or part of these data have been referred to the U.S. Census Bureau for verification.

Source: U.S. Census Bureau.

TABLE 2  
U.S. IMPORTS FOR CONSUMPTION OF SILICOMANGANESE IN JANUARY 2002 1/

(Metric tons)

Source	Gross weight	Mn content	Customs value
Mexico	1,300	849	\$618,000
Romania	7,290	4,800	3,340,000
South Africa	12,700	8,600	5,340,000
Total	21,300	14,200	9,300,000
Total, general imports	21,300	14,200	9,300,000

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

Source: U.S. Census Bureau.

TABLE 3  
U.S. IMPORTS FOR CONSUMPTION OF FERROMANGANESE IN JANUARY 2002 1/

(Metric tons)

Source	Gross weight	Mn content	Customs value
<b>Low carbon:</b>			
China	305	271	\$320,000
Norway	20	16	15,300
South Africa	360	330	428,000
Total, low carbon	684	616	763,000
Total, general imports of low carbon	684	616	763,000
<b>Medium carbon, 1%-2% C:</b>			
China	1,500	1,200	796,000
Mexico	1,800	1,430	1,120,000
South Africa	2,280	1,850	1,260,000
Total, m.c., 1%-2% C	5,570	4,480	3,180,000
Total, general imports of medium carbon	5,570	4,480	3,180,000
<b>High carbon:</b>			
France	5,250	4,090	1,840,000
India	3,450	2,620	1,380,000
South Africa	18,800	14,700	6,530,000
Total, high carbon	27,500	21,400	9,750,000
Total, general imports of high carbon	27,500	21,400	9,750,000
Grand total	33,800	26,500	13,700,000
Grand total, general imports	33,800	26,500	13,700,000

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

Source: U.S. Census Bureau.

TABLE 4  
U.S. IMPORTS OF MANGANESE ORE (20% OR MORE Mn) IN JANUARY 2002 1/ 2/

(Metric tons)

Source	20% - 47% Mn		47% or more Mn		Total	
	Gross weight	Mn content	Gross weight	Mn content	Gross weight	Mn content
Belgium	--	--	18	13	18	13
Brazil	29,900	12,800	--	--	29,900	12,800
Gabon	8,800	3,870	13,200	6,600	22,000	10,500
Total	38,700	16,700	13,200	6,610	51,900	23,300

-- Zero.

1/ Quantities for general imports and imports for consumption are identical.

2/ Data are rounded to no more than three significant digits; may not add to totals shown.

Source: U.S. Census Bureau.

TABLE 5  
U.S. IMPORTS FOR CONSUMPTION OF MANGANESE DIOXIDE AND MANGANESE METAL  
IN JANUARY 2002 1/

(Metric tons, gross weight)

Source	Manganese dioxide		Manganese metal	
	Quantity	Customs value	Unwrought Quantity	Other Quantity
Australia	440	\$634,000	--	--
Belgium	72	136,000	--	--
Canada	--	--	--	15
China	--	--	121	4
France	--	--	--	5
Germany	--	--	250	--
Ireland	435	604,000	--	--
Japan	18	29,500	--	--
South Africa	122	204,000	954	--
Spain	--	--	57	--
Total	1,090	1,610,000	1,380	24
Total, general imports	1,090	1,610,000	1,380	24

-- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

Note: Imports for consumption of metallic manganese waste and scrap totaled 23 tons, all of which was from Canada.

Source: U.S. Census Bureau.

TABLE 6  
U.S. EXPORTS OF MANGANESE ORE (20% OR MORE Mn), FERROMANGANESE,  
SILICOMANGANESE, AND MANGANESE METAL BY COUNTRIES OF DESTINATION IN JANUARY 2002 1/

(Metric tons, gross weight)

	Manganese ore	Ferromanganese, 2% or less C	Silicomanganese	Manganese metal 2/
Australia	15	--	--	--
Belgium	--	--	--	77
Brazil	31	--	--	--
Canada	100	780	182	20
China	1,190	--	--	--
Germany	--	--	--	9
Italy	--	--	--	7
Japan	--	--	--	39
Mexico	--	--	21	7
Norway	139	--	--	--
Poland	46	--	--	--
Sweden	20	--	--	--
Switzerland	15	--	--	--
Total	1,550	780	203	159

-- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Includes manganese-aluminum, some other alloys, and waste and scrap.

Note: Exports of ferromanganese with more than 2% carbon totaled 181 tons, all of which went to Canada.

Source: U.S. Census Bureau.

TABLE 7  
U.S. FOREIGN TRADE IN SELECTED MANGANESE CHEMICALS IN JANUARY 2002, BY CLASS 1/

Class	Gross weight (metric tons)	Value 2/ (thousands)	Principal sources and destinations: gross weight (metric tons); value 2/ (thousands)
<b>Imports for consumption:</b>			
Manganese oxides other than dioxide	158	\$177	Mexico 94; \$31
Sulfates, basket category, including manganese sulfate	3,740	2,420	Mexico 2,580; \$1,260
Potassium permanganate	163	279	Czech Republic 78; \$150
Manganites, manganates, and other permanganates	56	50	China 56; \$50
<b>Exports:</b>			
Manganese dioxide	388	457	Canada 180; \$54
Manganese oxides other than dioxide	317	950	Canada 221; \$85
Sulfates, basket category, including manganese sulfate	1,600	1,080	Canada 1,420; \$406
Potassium permanganate	8	29	Canada 7; \$12
Manganites, manganates, and other permanganates	4	34	Hong Kong 4; \$34

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ For imports, Customs value; for exports, f.a.s. value.

Source: U.S. Census Bureau.